AUTOMATION AND ISOLATION OF SOFTWARE COMPONENT TESTING

ABSTRACT

A system for the testing of a software component API includes the generation of a wrapper component. The wrapper component is generated by determining the interface of the software component and by mirroring that interface in the public interface of the wrapper. The wrapper methods delegate to the software component API. Test code is included within the wrapper component to permit capture and playback of interaction with the software component API. Test case software accesses the software component API through the wrapper. The wrapper both generates trace data based on the interaction between the test case and the software component and delegates to the software component API.

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